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REMARKS

I. Introduction

Claims 1, 4-9, 15, 17, 9-21, 23 and 25-35 are pending in the above application.

Claims 1, 5, 6, 9, 25, 26, 28 and 30-32 stand rejected under 35 U.S.C. § 101 for obvious type double patenting.

Claim 29 stands rejected under 35 U.S.C. § 102.

Claims 1, 5, 6, 9, 25, 26, 28 and 30-32 stand rejected under 35 U.S.C. § 103.

Claims 1, 15, 24, 29, 30, 32 and 33 are independent claims.

Claims 34 and 35 are newly added.

II. Amendments

Claims 1, 15, 29, 30, 32 and 33 have been amended to more distinctly recite that which Applicant regards as the invention therein.

No new matter has been added.

III. Double Patenting

Claims 1, 5, 6, 9, 25, 26, 28 and 30-32 stand rejected under 35 U.S.C. § 101 for obvious type double patenting over U.S. Pat. 6,533,028 alone or in combination with Lin, Marton, Arnold et al. or Elgar et al.

Claims 1, 15, 29, 30, 32 and 33 have been amended to recite, said heat receiving face having a protuberant heat conducting plate section at least one part thereon and a plurality of pillar-type protrusions are provided on two faces other than the heat receiving face. These

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features, taken in combination with the elements of the claims as whole, are not believed to be obvious in view of the claims of U.S. Pat. 6,533,028 taken alone or in combination with the disclosures of Lin, Marton, Arnold et al. or Elgar et al. No further response is believed to be necessary.

IV. Prior Art Rejection

A. Claim 29 stands rejected under 35 U.S.C. § 102 (b) as being anticipated by Coe (U.S. Pat. 3,149,666 or 3,220,471) (hereafter "Coe '666" and "Coe '471," respectively), Yu (U.S. Pat. 5,353,863), or North et al. (U.S. Pat. 5,748,445) (hereafter "North").

Anticipation under 35 U.S.C. § 102 requires that each and every element of the claim be disclosed in a prior art reference as arranged in the claim. See, C.R. Bard, Inc. v. M3 Sys., Inc., 157 F.3d 1340, 1349, 48 U.S.P.Q.2D (BNA) 1225 (Fed. Cir. 1998); and Connell v. Sears, Roebuck & Co., 220 USPQ 193, 198 (Fed. Cir. 1983).

Neither Coe '666, Coe '471, Yu nor North disclose a heatsink comprising a column having a heat receiving face and two side faces which are not parallel to said heat receiving face, said heat receiving face having a protuberant heat conducting plate section at least one part thereon; and a plurality of fins provided on said two side faces in such a manner that they are at a predetermined oblique angle against the heat receiving face; and a blower coupled to said heat sink for forcing fluid through fluid flow passages defined between said plurality of fins. As none of these references clearly disclose all of the limitations of amended claim 29, no further response is believed to be necessary.

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B. Claims 1, 5, 6, 9, 25, 26, 28 and 30-33 stand rejected under 35 U.S.C. § 103 as being unpatentable over Yu in view of Hinshaw (U.S. Pat. 4,879,891) and also as being unpatentable over Coe '471 in view of North or Hinshaw.

Obviousness can only be established by combining or modifying the teachings of the prior art to produce the *claimed invention* where there is some teaching, suggestion, or motivation to do so found either in the references themselves or in the knowledge generally available to one of ordinary skill in the art. Ecolochem Inc. v. Southern California Edison Co., 227 F.3rd 1361, 56 U.S.P.Q.2d (BNA) 1065 (Fed. Cir. 2000); In re Dembiczaik, 175 F.3d 994, 999, 50 U.S.P.Q.2D (BNA) 1614, 1617 (Fed. Cir. 1999); In re Fine, 837 F.2d 1071, 5 U.S.P.Q.2d 1596 (Fed. Cir. 1988); In re Jones, 958 F.2d 347, 21 U.S.P.Q.2d 1941 (Fed. Cir. 1992). See also MPEP 2143.01.

Neither Yu, Coe '471, North nor Hinshaw, taken alone or in any combination, disclose or suggest all the limitations of amended independent claims 1, 15, 29, 30 or 33. Neither Yu, Coe '471, North nor Hinshaw disclose or suggest a cooling apparatus having a column with a heat receiving face having a protuberant heat conducting plate section at least one part thereon and a plurality of pillar-type protrusions provided on two faces other than the heat receiving face of the column, as substantially required by the amended claims. Accordingly, the combination(s) of Yu, Coe '471, North or Hinshaw, even if proper, does not produce the claimed invention of amended independent claims 1, 15, 29, 30 or 33.

Furthermore, with respect to claims 4, 8 and 23, the addition of Lin does not cure the defects of any of the above combinations and does not render any of amended claims 1, 15, 29, 30 or 33 unpatentable. As claims 4 and 8 depend on amended claim 1, and incorporates all of

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the limitations thereof, and claim 23 depends on amended claim 15, and incorporates all of the limitations thereof, claims 4, 8 and 23 are also patentable.

V. New Claims 34 and 35

New claims 34 and 35 depend on amended claims 1 and 15, respectively. Accordingly, new claims 34 and 35 are patentable at least for the same reasons as amended claims 1 and 15, respectively.

VI. Conclusion

The above application is considered to be in condition for allowance, an early notification thereof is respectfully requested. The Examiner is respectfully requested to contact the undersigned attorney to resolve any formal issues the may prevent an early notice of allowance.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit account.

Respectfully submitted,

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